

INTEGRATED EXERCISE DETECTION DEVICE EMPLOYING SATELLITE POSITIONING SIGNAL AND EXERCISE SIGNAL

ABSTRACT OF THE DISCLOSURE

An integrated exercise detection device includes a satellite positioning module that receives satellite signals associated with a user. The satellite positioning module includes a microprocessor that processes the received satellite signals to generate first data including current position, displacement, velocity and altitude of the user. The integrated exercise detection device further includes an exercise detection module that detects exercise signals of the user and generates second data in response thereto. The second data are transmitted to the microprocessor via for example electrical cables and/or wireless transmission comprised of wireless transmitter coupled to the exercise detection module and wireless receiver coupled to the microprocessor. A display is electrically coupled to the second microprocessor to selectively display the first and second data.